

**COLORADO RIVER BASIN**

**09404208 DIAMOND CREEK NEAR PEACH SPRINGS, AZ**

**LOCATION**--Lat 35°45'54", long 113°22'03", sec. 32, T.28 N., R.10 W., unsurveyed, Mohave County, Hydrologic Unit 15010002, on the right bank, 0.25 mi upstream from mouth, and 20.4 mi north of Peach Springs by dirt road.

**DRAINAGE AREA**--279.5 mi<sup>2</sup>.

**PERIOD OF RECORD**--May 1993 to current year.

**GAGE**--Water-stage recorder. Elevation of gage is 1,400 ft above sea level, from topographic map.

**REMARKS**--Records fair except for estimated daily discharge and July 25 to Sept. 30, which are poor.

**EXTREMES FOR PERIOD OF RECORD**--Maximum discharge, 10,500 ft<sup>3</sup>/s Aug. 29, 2000, gage height 15.32 ft from floodmark; minimum daily discharge, 0.64 ft<sup>3</sup>/s, Aug. 9, 1993.

**EXTREMES FOR CURRENT YEAR**--Peak discharges greater than base discharge of 600 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
July 25.....	1330	4,470	12.95	Aug. 19 .....	2230	1,230	10.84
Aug. 15.....	1945	*4,730	*13.08	Sept. 1 .....	2100	3,240	12.27

Minimum daily discharge, 1.4 ft<sup>3</sup>/s, Aug. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2.7	3.1	4.5	4.5	4.1	5.5	4.4	3.1	1.9	2.4	1.4	84
2	3.0	3.1	4.8	4.5	4.4	5.2	4.5	3.0	1.9	2.5	1.9	3.8
3	3.0	3.1	4.8	4.5	4.5	4.6	4.7	3.1	1.9	2.5	3.0	5.0
4	2.9	3.1	5.0	4.5	4.5	4.5	4.6	3.2	1.9	2.5	2.3	4.4
5	2.8	3.2	4.8	4.6	4.5	4.7	4.6	3.1	1.9	2.3	2.4	4.3
6	2.6	3.2	4.6	4.6	4.6	4.3	4.1	3.0	1.6	2.2	3.4	5.3
7	2.6	3.2	4.6	4.3	4.8	4.0	3.8	2.9	1.7	2.1	3.0	5.1
8	2.5	3.2	4.6	4.5	4.9	3.9	3.4	3.0	1.7	1.9	2.0	4.5
9	2.5	3.2	4.7	4.5	5.0	3.8	3.1	3.0	1.7	1.9	1.6	4.3
10	2.5	3.2	5.0	4.5	5.0	3.8	3.0	2.9	1.7	1.9	1.8	4.3
11	2.5	3.5	5.0	4.8	5.0	3.8	3.0	2.8	1.8	1.9	1.8	4.1
12	2.5	3.5	4.9	5.0	5.0	3.5	3.0	2.6	1.9	1.9	2.0	3.7
13	2.5	3.5	4.5	4.9	7.8	3.4	2.9	2.6	1.9	1.9	2.1	3.4
14	2.5	3.6	4.5	4.5	5.8	3.2	2.9	2.6	2.0	1.7	1.7	3.4
15	2.5	3.6	4.5	4.5	5.1	3.3	4.2	2.5	2.0	1.6	e170	3.4
16	2.6	3.6	4.5	4.6	5.0	3.4	2.4	2.0	1.6	e3.0	3.3	
17	2.7	3.6	4.5	4.5	4.5	8.4	3.5	2.3	2.1	1.6	e3.2	3.2
18	2.7	3.6	4.9	4.7	4.5	7.3	4.9	2.3	2.1	1.6	e3.1	3.1
19	2.8	3.7	4.6	4.7	4.7	6.7	5.1	2.3	2.3	1.7	e49	3.0
20	2.8	3.8	4.7	4.4	4.6	6.2	3.9	2.3	2.5	1.6	e3.8	2.8
21	2.9	3.8	4.5	4.5	4.5	6.0	3.7	2.2	2.7	1.6	e2.8	2.8
22	3.5	3.9	4.5	4.5	4.5	5.7	3.8	2.2	2.8	1.7	e2.8	2.8
23	3.3	3.9	4.5	4.5	4.6	5.4	3.8	2.2	2.9	1.7	e2.8	2.6
24	3.2	4.0	4.7	4.5	4.4	5.2	3.5	2.2	3.0	1.7	e3.1	2.6
25	3.2	4.1	4.8	4.5	4.9	5.1	3.2	2.1	2.8	e200	e3.2	2.5
26	3.7	4.2	4.5	4.5	4.7	5.0	3.1	2.0	2.7	e1.9	e22	2.4
27	3.5	4.3	4.5	4.5	5.3	5.0	3.0	2.0	2.6	e1.9	e3.7	2.5
28	3.4	4.2	4.5	4.5	5.3	5.3	2.9	2.1	2.4	e1.9	e3.5	2.6
29	3.4	4.1	4.8	4.5	---	5.0	2.9	2.0	2.3	e1.9	3.3	2.7
30	3.4	5.2	5.0	4.4	---	4.8	3.1	1.9	2.2	28	3.0	2.5
31	3.2	---	5.0	4.3	---	4.6	---	1.9	---	1.5	3.1	---
TOTAL	89.9	109.3	145.3	140.7	136.1	152.2	110.0	77.8	64.9	283.1	315.8	184.4
MEAN	2.90	3.64	4.69	4.54	4.86	4.91	3.67	2.51	2.16	9.13	10.2	6.15
MAX	3.7	5.2	5.0	5.0	7.8	8.4	5.1	3.2	3.0	200	170	84
MIN	2.5	3.1	4.5	4.3	4.1	3.2	2.9	1.9	1.6	1.5	1.4	2.4
AC-FT	178	217	288	279	270	302	218	154	129	562	626	366

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

(WY)	1999	1999	1999	2000	1995	1998	1999	2000	1999	2000	1999	
MEAN	3.05	3.64	4.03	4.47	4.49	5.09	3.77	2.77	2.42	5.90	4.75	4.74
MAX	3.57	4.56	4.79	5.34	5.01	11.3	4.51	3.27	3.81	25.8	19.2	18.6
MIN	2.63	3.05	3.17	3.29	3.70	3.82	3.28	1.94	1.79	1.09	1.61	2.26
	2002	1996	1995	1995	1995	2002	2002	2002	2002	1993	2002	1995

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1993 - 2003

ANNUAL TOTAL	1114.3	1809.5	
ANNUAL MEAN	3.05	4.96	4.18
HIGHEST ANNUAL MEAN			7.07
LOWEST ANNUAL MEAN			2.87
HIGHEST DAILY MEAN	5.2	Nov 30	484 Aug 29 2000
LOWEST DAILY MEAN	1.2	Jul 9	0.64 Aug 9 1993
ANNUAL SEVEN-DAY MINIMUM	1.4	Jul 5	0.82 Jul 10 1993
ANNUAL RUNOFF (AC-FT)	2210	3590	3030
10 PERCENT EXCEEDS	4.6	5.0	4.8
50 PERCENT EXCEEDS	3.1	3.4	3.3
90 PERCENT EXCEEDS	1.5	1.9	2.0

e Estimated